Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/06/2015 12:17 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124699	-1	1.82	124535	1.75
Blue	F	SSC	125000	124332	-1	2.84	125271	2.54
Blue	E	FITC	17998	17403	-4	2.34	982	8.00
Blue	D	PE	23234	22576	-3	1.92	1020	7.18
Blue	B	PerCP-Cy5-5	69571	68327	-2	2.49	1804	11.79
Blue	A	PE-Cy7	77815	76369	-2	3.52	1002	22.10
Red	C	APC	65936	66097	0	2.50	3728	7.84
Red	A	APC-Cy7	100669	100039	-1	2.64	1977	7.48
Violet	B	V450	10405	9965	-5	3.98	619	8.08
Violet	A	V500	47250	45751	-4	3.80	2584	5.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19909	6.15	578	-1	N/A	N/A	Pass
Blue	F	SSC	62246	1.75	495	6	N/A	N/A	Pass
Blue	E	FITC	107	29.99	513	-2	0.0305	0	Pass
Blue	D	PE	210	22.03	505	-2	0.2140	121	Pass
Blue	B	PerCP-Cy5-5	220	34.84	588	-2	0.0137	0	Pass
Blue	A	PE-Cy7	78	84.39	643	-3	0.0189	6	Pass
Red	C	APC	348	25.42	579	1	0.0228	16	Pass
Red	A	APC-Cy7	125	35.42	559	0	0.0055	694	Pass
Violet	B	V450	66	41.37	453	3	0.0515	2006	Pass
Violet	A	V500	168	20.89	492	4	0.0168	281	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.62	-31.50	0.77
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.21
Red	17.35	13.07 - 19.61	N/A	N/A	32.03	32.34	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 14326

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments